



<b>U.S. DEPARTMENT OF PATENTS AND PUBLICATIONS</b> <b>APPLICANT'S INFORMATION</b> <b>DISCLOSURE STATEMENT</b> (Form PTO-1449 Modified)	Attorney Docket: 101195-64	Serial No. 09/980,645	<b>RECEIVED</b>  JAN 0 2 2003 TECH CENTER 1600/2900
	Applicant: Stefan Anker et al.		
	Filing Date: March 20, 2002	Group: TBA 1644	

**U.S. PATENT DOCUMENTS**

Examiner's Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If appropriate
PJH	A	5 1 4 9 7 9 6	9/22/92	Rossi et al.	536	27	
	B	5 1 4 4 0 1 9	9/1/92	Rossi et al.	536	27	
	C	5 1 6 8 0 5 3	12/1/92	Altman et al.	435	91	
	D	5 1 7 9 0 1 8	1/12/93	Bogard, Jr. et al.	530	388	
	E	5 8 5 8 7 2 8	1/12/99	Gram et al.			
	F	5 1 1 6 7 4 2	5/26/92	Cech et al.	435	91	
	G	5 0 9 3 2 4 6	3/3/92	Cech et al.	435	91	
	H	4 9 8 7 0 7 1	1/22/91	Cech et al.	435	91	

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Sub Class	Translation Yes No
I						
J						
K						

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

PJH	L	Levine et al., "Elevated Circulating Levels of Tumor Necrosis Factor in Severe Chronic Heart Failure", The New England Journal of Medicine - Abstract 323 (4):236, 1990
	M	Anker et al., "Hormonal Changes and Catabolic/Anabolic Imbalance in Chronic Heart Failure and Their Importance for Cardia Cachexia", Circulation, 96 (2):526-534, 1997
	N	Torre-Amione et al., "Tumor Necrosis Factor- $\alpha$ and Tumor Necrosis Factor Receptors in the Failing Human Heart", Circulation, 93 (4):704-711, 1996
	O	Anker et al., "Elevated Soluble CD14 Receptors and Altered Cytokines in Chronic Heart Failure", The American Journal of Cardiology, 79:1426-1430, 1997
	P	Tobias et al., "Lipopolysaccharide (LPS)-binding Proteins BPI and LBP Form Different Types of Complexes with LPS", The Journal of Biological Chemistry, 272 (30):18682-18685, 1997
	Q	Schumann et al., "The Lipopolysaccharide-Binding Protein Is a Secretory Class 1 Acute-Phase Protein Whose Gene Is Transcriptionally activated by APRF/STAT-3 and Other Cytokine-Inducible Nuclear Proteins", Molecular and Cellular Biology, 16 (7):3490-3503, 1996
	R	Lamping et al., "LPS-binding Protein Protects Mice from Septic Shock Caused by LPS or Gram-negative Bacteria", J. Clin. Invest., 101 (10):2065-2071, 1998
	S	Landmann et al., "Soluble CD14 Activates Monocytic Cells Independently of Lipopolysaccharide", Infection and Immunity, 66 (5):2264-2271, 1998
	T	Clark et al., "Exercise Limitation in Chronic Heart Failure: Central Role of the Periphery", Journal of American College of Cardiology, 28 (5):1092-1102, 1996
	U	Lamping et al., "Effects of Site-Directed Mutagenesis of Basic Residues (Arg 94, Lys 95, Lys 99) of Lipopolysaccharide (LPS)-Binding Protein on Binding and Transfer of LPS and Subsequent Immune Cell Activation", The Journal of Immunology, 157:4648-4656, 1996
	V	Ulevitch et al., "Receptor-Dependent Mechanisms of Cell Stimulation by Bacterial Endotoxin", Annual Reviews of Immunology, Abstract 13:437, 1995
✓	W	Vanderheyden et al., "Pro-inflammatory Cytokines and Endothelium-dependent Vasodilation in the Forearm", European Heart Journal, 19:747-752, 1998

*[Signature]*

6/15/94



**LIST OF PATENTS AND PUBLICATIONS**  
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Attorney Docket:  
101195-64

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PAH	X	Vonhof et al., "Monocyte Activation in Congestive Heart failure due to Coronary Artery Disease and Idiopathic Dilated Cardiomyopathy", International Journal of Cardiology, 63:237-244, 1998
	Y	Random et al., "Mechanism of Endotoxin Desensitization: Involvement of Interleukin 10 and Transforming Growth Factor Beta", Journal of Experimental Medicine, Abstract, 181:1887, 1995
	Z	Wilckens, "Glucocorticoids and Immune Function: Physiological Relevance and Pathogenic Potential of Hormonal Dysfunction", Viewpoint, 16:193-197, 1995
	AA	Anker et al., "Tumor Necrosis Factor and Steroid Metabolism in Chronic Heart Failure: Possible Relation to Muscle Wasting", Journal of the American College of Cardiology, 30 (4):997-1001, 1997
	AB	Barnes et al., "Nuclear Factor-kB - A Pivotal Transcription Factor in Chronic Inflammatory Diseases", The New England Journal of Medicine, 336 (15):1066-1071, 1997
	AC	Bachetti et al., "The Dynamic Balance Between Heart Function and Immune Activation", European Heart Journal, 19:681-688, 1998
	AD	Torre-Amione et al., "Expression and Functional Significance of Tumor Necrosis Factor Receptors in Human Myocardium", Circulation, 92:1487-1493, 1995
	AE	Bristow, "Tumor Necrosis Factor- $\alpha$ and Cardiomyopathy", Circulation, 97:1340-1341, 1998
	AF	Munger et al., "Circulating Concentrations of Proinflammatory Cytokines in Mild or Moderate Heart Failure Secondary to Ischemic or Idiopathic Dilated Cardiomyopathy", Am J. Cardiol., 77:723-727, 1996
	AG	Keith et al., "Increased Oxidative Stress in Patients with Congestive Heart Failure", Journal of American College of Cardiology, 31 (6):1352-1356, 1998
	AH	Anker et al., "Tumor Necrosis Factor Alpha as a Predictor of Impaired Peak Leg Blood Flow in Patients with Chronic Heart Failure", Q. J. Med., 91:199-203, 1998
	AI	Tracey et al., "Metabolic Effects of Cachectin/Tumor Necrosis Factor Are Modified by Site of Production", J. Clin. Invest., 86:2014-2024, 1990
	AJ	Poehlman et al., "Increased Resting Metabolic Rate in Patients with Congestive Heart Failure", Annals of Internal Medicine, 121:860-862, 1994
	AK	Anand et al., "Studies of Body Water and Sodium, Renal Function, Hemodynamic Indexes, and Plasma Hormones in Untreated Congestive Cardiac Failure", Circulation 80:299-305, 1989
	AL	Dandona et al., "Procalcitonin Increase After Endotoxin Injection in Normal Subjects", J. Clin. Endocrinol Metab., 79:1605-1608, 1994
	AM	Sautner et al., "Early Effects of Catecholamine Therapy on Mucosal Integrity, Intestinal Blood Flow, and Oxygen Metabolism in Porcine Endotoxin Shock", Annals of Surgery, 228:239-248, 1998
	AN	Keel et al., "Endotoxin Tolerance After Severe Injury and its Regulatory Mechanisms", The Journal of Trauma, Injury, Infection, and Critical Care, 41:430-438, 1996
✓	AO	Yasuda et al., "Endothelin-1 Ameliorates Contractile Depression by Lipopolysaccharide in Cardiac Myocytes", A. J. Physiol. 273:H1404-H1407, 1997

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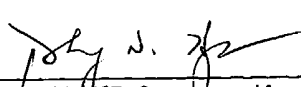

Pitt	AP	Assicot et al., "High Serum Procalcitonin Concentrations in Patients with Sepsis and Infection", The Lancet, 341:515-518, 1993
	AQ	Pittman et al., "The Pathogenesis of Cardiac Cachexia", The New England Journal of Medicine, 271 (8):403-409, 1964
	AR	Ziegler-Heitbrock et al., "CD14: Cell Surface Receptor and Differentiation Marker", Immunology Today, 14 (3):121-125, 1993
	AS	Gravy et al., "Suppression of the Antigenic Response of Murine Bone Marrow B Cells by Physiological Concentrations of Glucocorticoids", Immunology, 74:519-523, 1991
	AT	Tang et al., "Self-stabilized Antisense Oligodeoxynucleotide Phosphorothioates: Properties and Anti-HIV Activity", Nucleic Acids Research, 21 (11):2729-2735, 1993
	AU	Shaw et al., "Modified Deoxyoligonucleotides Stable to Exonuclease Degradation in Serum", Nucleic Acids Research, 19 (4):747-750, 1991
	AV	Agrawal et al., "Inhibition of Human Immunodeficiency Virus in Early Infected and Chronically infected Cells by Antisense Oligodeoxynucleotides and their Phosphorothioate Analogues", Proc. Natl. Acad. Sci., 86:7790-7794, 1989
	AW	Sarin et al., "Inhibition of Acquired Immunodeficiency Syndrome Virus by Oligodeoxynucleoside Methylphosphonates", Proc. Natl. Acad. Sci. 85:7448-7451, 1988
	AX	Goodchild et al., "Inhibition of Human Immunodeficiency Virus Replication by Antisense Oligodeoxynucleotides", Proc. Natl. Acad. Sci., 85:5507-5511, 1988
	AY	Miller et al., "Targeted Vectors for Gene Therapy", The FASEB Journal, 9:190-199, 1995
	AZ	Agrawal et al., "Oligodeoxynucleoside Phosphoramidates and Phosphorothioates as Inhibitors of Human Immunodeficiency Virus", Proc. Natl. Acad. Sci., 85:7079-7083, 1988
	BA	Schumann et al., "Structure and Function of Lipopolysaccharide Binding Protein", Science, 249:1429-1431, 1990
	BB	Culver et al., "In Vivo Gene Transfer with Retroviral Vector-Producer Cells for Treatment of Experimental Brain Tumors", Science, 256:1550-1552, 1992
	BC	Anker et al., "Metabolic, Functional, and Haemodynamic Staging for CHF?", The Lancet, 348:1530-1531, 1996
	BD	Anker et al., "Wasting as Independent Risk Factor for Mortality in Chronic Heart Failure", The Lancet, 349:1050-1053, 1997
	BE	Bischoff et al., "An Adenovirus Mutant that Replicates Selectively in p53-Deficient Human Tumor Cells", Science, 274 (5286):373-376, 1996
	BF	Kelly et al., "Cytokines and Cardiac Contractile Function", Circulation, 95 (4):778781, 1997
↓	BG	Gomez-Jimenez et al., "L-arginine - Nitric Oxide Pathway in Endotoxemia and Human Septic Shock", Crit. Care Med. 23 (2):253-258, 1995

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PNH ↓	BH	Cotten et al., "High-Efficiency Receptor-mediated Delivery of Small and Large ...", Proc. Natl. Acad. Sci. 89:6094-6098, 1990		
	BI	Wagner et al., "Transferrin-polycation Conjugates as Carriers for DNA Uptake into Cells", Proc. Natl. Acad. 87:3410-3414, 1990		
	BJ	Agrawal et al., "Pharmacokinetics, Biodistribution, and Stability of Oligodeoxynucleotide Phosphorotioates in Mice", Proc. Natl. Acad. Sci., 88:7595-7599, 1991		
	BK	Agrawal et al., "Nucleosite-specific Excision from RNA by RNase H and mixed-phosphate-backbone oligodeoxynucleotides", Proc. Natl. Acad. Sci., 87:1401-1405, 1990		
	BL	Leiter et al., "Inhibition of Influenza Virus Replication by Phosphorothioate Oligodeoxynucleotides", Proc. Natl. Acad. Sci. 87:3430-3434, 1990		
	BM	Pedersen et al., "Lipoprotein Changes and Reduction in the Incidence of Major Coronary Heart Disease Events in the Scandinavian Simvastatin Survival Study (4S)", Circulation, 97:1453-1460, 1998		
	BN	Shepherd et al., "Prevention of Coronary Heart Disease with Pravastatin in Men with Hypercholesterolemia", J. Med., 333 (20):1301-1307, 1995		
	BO	Krschning et al., "Human Toll-like Receptor 2 Confers Responsiveness to Bacterial Lipopolysaccharide", J. Exp. Med. 188 (11):2091-2097, 1998		
	BP	Walton et al., "Insulin Resistance in Chronic Heart Failure", European Heart Journal, 15:1528-1532, 1994 <i>Shann et al.</i>		
	BQ	Munger et al., "Arterial Oxygen Saturation in Chronic Congestive Heart Failure", Am. J. Cardiol. 73:180-185, 1994		
	BR	Swedberg et al., "Hormones Regulating Cardiovascular Function in Patients with Severe Congestive Heart Failure and Their Relation to Mortality", Circulation, 82:1730-1736, 1990		
	BS	Francis et al., "Plasma Norepinephrine, Plasma Renin Activity, and Congestive Heart Failure", Circulation, 87:VI-40-VI-48, 1993		
	BT	Dutka et al., "Tumour Necrosis Factor $\alpha$ in Severe Congestive Cardiac Failure", Br. Heart J. 70:141-143, 1993		
	BU	McMurray et al., "Increased Concentrations of Tumour Necrosis Factor in "Cachectic" Patients with Severe Chronic Heart Failure", Br. Heart J. 66:356-358, 1991		
	BV	Michael et al., "Addition of a Short Peptide Ligand to the Adenovirus Fiber Protein", Gene Therapy, 2:660-668, 1995		
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